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UTILITY			336080-00010	l
PATENT APPLICATION		First Inventor or Application Identifier Paul W. Stiles		
		Travel Intel	lligence Method & Associated System	

(Only for new	v nonprovisional applications under 37 C.F.R. § 1.53(b)) Expr	ress Mail Label No. EJ071200711US			
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	Fee Transmittal Form (e.g., PTO/SB/17)	5. Microfiche Computer Program (Appendix)			
2. S (p	Submit an original and a duplicate for fee processing) Specification [Total Pages 36] Descriptive title of the Invention Cross References to Related Applications Statement Regarding Fed sponsored R & D Reference to Microfiche Appendix	6. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Readable Copy b. Paper Copy (identical to computer copy) C. Statement verifying identity of above copies			
1	Background of the Invention				
3.	Brief Summary of the Invention Brief Description of the Drawings (if filed) Detailed Description Claim(s) Abstract of the Disclosure Drawing(s) (35 U.S.C. 113) [Total Sheets 24] Declaration [Total Pages] Newly executed (original or copy) Copy from a prior application (37 C.F.R. § 1.63((for continuation/divisional with Box 16 completed) i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b). RITEMS 1 & 13: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY ALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT ED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).	13. Statement(s) Statement filed in prior application, Status still proper and desired (PTO/SB/09-12) 14. (if foreign priority is claimed) 15. V Other: Small Entity Statement			
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Prior application information: Examiner Group / Art Unit: For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.					
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STATEMENT CLAIMING SMALL ENTITY STATUS (37 CFR 1.9(f) & 1.27(c))SMALL BUSINESS CONCERN	Docket Number (Optional) 336080-00010				
Applicant, Patentse, or Identifier, Paul W. Stiles					
Application or Patent No.:					
Tige: Travel Intelligence Method and Associated System					
I hereby state that I am the owner of the small business concern identified below: an official of the small business concern empowered to act on behalf of the concern identified below:					
NAMEOFSMALLBUSINESSCONCERN_Liet					
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I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))					
NAME OF PERSON SIGNING Paul W. Stiles TITLE OF PERSON IF OTHER THAN OWNER Chief Executive Officer					
ADDRESS OF PERSON SIGNING 1717 ROBIN AUXI RO ANNAPALIS MO					
ADDRESS OF PERSON SIGNING 1717 ROBIN AUDY RY ANNAPOLIS MY					
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TRAVEL INFORMATION METHOD AND ASSOCIATED SYSTEM

BACKGROUND OF THE INVENTION

Field of the Invention

The present invention generally relates to a method and system for creating personalized travel information products for business and consumer use. The present invention more particularly relates to a method and system for preventing and solving travel problems.

Background Information

this information.

Millions of travelers are afflicted with problems each year, problems involving their health and safety, the timeliness and quality of their trip, and their familiarity with their destination. These problems cost time, money, and even lives. Whenever a travel problem occurs, however, typically the information necessary to avoid it, or solve it, is available somewhere, if only the traveler had known about it. Thus, there is a pressing need to develop a system which continually monitors the world for pertinent travel-related information, on the one hand, and on the other hand,

SUMMARY OF THE INVENTION

delivers relevant information to travelers when, where, and how they need to use

The method and system of the present invention have met the above-described needs by providing a method and system for the automated delivery of travel information when, where, and how travelers need it.

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The invention provides a method for providing travel-related information to a consumer having a consumer-specific profile. This method includes acquiring information from at least one information source; transforming the acquired information into information pertinent to travel related activities; using rules for applying the transformed travel information to the consumer-specific travel profile; and, creating a product for said consumer indicative of the results of the application of the transformed travel information to the consumer-specific travel profile. A system implementation of this method is also provided in another aspect of the invention. It can be appreciated that the invention can also be embodied in a computer-readable medium.

In a further aspect of the invention, an information system segment is provided that is structured for use in a system for providing travel related information to a consumer with a consumer-specific profile. This information system segment includes a collection subsystem for obtaining information from at least one data source; an analysis subsystem for filtering the obtained information to identify its travel related characteristics; and, a distribution/storage subsystem for directing the filtered data to at least one portion of the system for providing travel related information.

It is therefore an object of the present invention to provide, in one aspect, a system based on five elements: a global operations center, which continuously collects, analyzes, and processes information pertaining to travel from at least one information source; a data store for holding the information; a profiling system, for capturing and maintaining traveler profiles; a rules engine for applying rules pertaining to travel based on the traveler's profile; and a plurality of online products that incorporate and deliver the relevant travel information.

It is a further object of the invention to provide, in another aspect, a continuous creation of information in an intelligence operations center, and its storage in the data store, to provide travel related information on a plurality of global destinations.

It is a further object of the invention to provide, in another aspect, a profiling system that captures a traveler's profile, triggers the application of relevant rules (e.g. if the traveler has a respiratory problem, and the altitude of the destination is sufficiently high, then a warning notice will be retrieved), and retrieves pertinent information from the data store.

It is a further object of the invention, in another aspect, to package travel information in an electronic product and deliver that product in an on-line environment.

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It is a further object of the invention to provide, in another aspect, connectivity with an external, global airline reservation system, such that the invention is associated with the act of buying an airline ticket, for example, as well as for boats, trains, and other similar consumer transportation.

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These and other objects of the present invention will be more fully understood from the following description of the invention and by reference to the figures and claims appended hereto.

BRIEF DESCRIPTION OF THE DRAWINGS

A full understanding of the invention can be gained from the following detailed description of the invention when read in conjunction with the accompanying drawings in which:

Figure 1 is a logical and functional architecture diagram showing an embodiment of the method and system of the present invention;

25 Figure 2 is a block diagram of an embodiment of the present invention;

Figure 3 is a block diagram of an embodiment of the present invention;

Figure 4 is a flow diagram of an embodiment of the present

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		Figure 5 is a flow diagram of an embodiment of the present
	invention;	
		Figure 6 is a system diagram of an embodiment of the present
	invention;	
5		Figure 7 is a system diagram of an embodiment of the present
	invention;	
		Figure 8 is a flow diagram of an embodiment of the present
	invention;	
		Figure 9 is a system diagram of an embodiment of the present
10	invention;	
		Figure 10 is a system diagram of an embodiment of the present
	invention;	
		Figure 11 is a combined system/flow diagram of an embodiment of
	the present i	
15		Figure 12 is a system diagram of an embodiment of the present
	invention;	
		Figure 13 is a system diagram of an embodiment of the present
	invention;	
		Figure 14 is a system diagram of an embodiment of the present
20	invention;	C who discount of the manager
		Figure 15 is a flow diagram of an embodiment of the present
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	invention;	Figure 18 is a flow diagram of an embodiment of the present
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	mvenuon,	Figure 19 is a flow diagram of an embodiment of the present
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Figure 20 is a conceptual flow diagram of an embodiment of the present invention;

Figure 21 is a system diagram of an embodiment of the present invention;

Figure 22 is a system diagram of an embodiment of the present invention;

Figure 23 is a system diagram of an embodiment of the present invention; and,

Figure 24 is a system diagram of an embodiment of the present invention.

DETAILED DESCRIPTION OF THE EMBODIMENTS

Travel Information Logical and Functional Architectures

In the method and system of the present invention, a logical architecture and its corresponding functional architecture are provided that can operate on an Internet-based information exchange medium or another similarly structured and suitable medium. This architecture permits a breadth of information sources from which information related to travel, in particular, can be gathered, transformed and provided to a consumer in the form of a product and/or service.

As used herein, the term "travel-related information" includes any information which is related to a particular mode of travel or travel destination. As used herein, a "consumer" can be an individual, a plurality of individuals, a company, and/or any other entity that uses travel-related information. As used herein, a "consumer-specific profile" can include any information that relates to a consumer's travel preferences, such as, but not limited to, any one or more of the following: destination, mode of travel, health condition of traveler, travel risks associated with a particular destination, and the like. An "information source" as used herein can be any electronic, written, verbal or other source from which data can be derived. A

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"product" as used herein can refer to a product and/or a service.

Referring now to Figure 1, in the form of the invention shown, the method and system of the present invention can be represented as five architectural layers that represent data processing from information acquisition to product/service delivery. In the information acquisition layer 2, information regarding travel can be acquired from information sources 4 such as other Internet sites. In performing the function of information acquisition, these information sources 4 may or may not be partnered with the home Internet site from which travel analysis is delivered to the individual consumer.

Referring again to Figure 1, in the information transformation layer 6, data retrieved from information sources in layer 2 are processed through at least two logical steps in the method and system architecture: one is an oversight and advisement step 8 and another is the research and analysis step 10. A functional architecture of the invention corresponding to the information transformation 6 logical architecture can be provided that can be designated as an information validation and recommendations 12 function. The oversight and advisement step 8 can include, for example, processing acquired data through a health information board, performing an advisement function, and developing business rules 14 for treatment of current and future travel data related to health and medicine. The research and analysis step 10 of the information transformation layer 6 can include, for example, applying medical information and epidemiology findings from clinic networks 16 that are researching the status of communicable diseases at a given travel destination. In the information transformation layer 6, data acquired is validated and recommendations for further processing of that acquired data through the travel method and system of the invention are developed.

Referring again to Figure 1, in the information development/application step 18, business rules, some of which can be substantially continuously and dynamically generated in the oversight and advisement step 8 of the method and system, are

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applied to the travel data. In this step 18, factors such as health, security and safety business rules 20 are determined and applied relative to the acquired and transformed travel data. In the product/service creation step 22 of the method and system of the present invention, a report is generated 24 for use by a consumer to evaluate a decision regarding travel to a particular country or region of the world. Also, in this step 22, activities such as alert characterization and distribution list development 24 (discussed in more detail hereinafter) are produced and provided as products/services for the consumer.

Referring again to Figure 1, product/service delivery 26 occurs with regard to providing the travel information to a consumer. In this step 26, the consumer receives desired information regarding travel to and from a particular location of the world. The product/service delivery step 26 can be performed through a variety of suitable delivery channels 28, including without limitation, the Internet, wireless communication media and apparatus, business intranets, kiosks or other virtual and/or physical locations from which it is desirable for a consumer to request and obtain travel information.

Referring again to Figure 1, in summary, the functional architecture of the invention is a layered architecture, with five distinct functional layers corresponding to the logical architecture layers. The information acquisition layer 2 includes a unique collection of travel information sources and a robust set of mechanisms for acquiring varied information sources. The information transformation layer 6 includes extract, transform, and load sub-processes, and a unique, external application of expert research and analysis. The information development/application layer 18 includes interactions with subsystems such as alert and event monitoring; extract, transform, and load sub-processes; and external oversight, advisement, and travel business rules development such as by industry experts. The product/service creation/delivery layers 22,26 include content management and global travel information, including workflow, version control, personalization, and content integration; creation of unique, personalized products based on a combination of personalized travel profile

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information of the global travel information; and a rich and diverse set of delivery channels.

It can be understood by one skilled in the art that the foregoing logical steps can be applied, for purposes of implementing the method and system of the present invention, to a plurality of functional modules. It can be further understood that the specific functional architecture aspects of the invention described herein are intended to be illustrative, and not limiting, as to the scope of the invention.

10 Travel Information Technology Implementation Architecture

In summary, referring now to Figures 2 and 3, the technology implementation architecture of the invention is a descriptive set of a plurality of technology subsystems or segments, each of which can be considered as part of one of several functional systems: collection 32, back office 34, content repository 36, products 38, internet site 40, and distribution 42. Figures 2 and 3 illustrate the relationships between and among these different technology segments.

Content Identification Segment (CIS)

20 Referring now to Figure 4, a content identification segment (CIS) (51) relates to the initial and ongoing identification of information sources such as internet sites that enhance the products and services provided by the invention. The CIS (51) also enables the determination of sites in use that should, based on subjective or objective criteria, no longer be relied upon for accurate, timely, or value-added content.

Content in the invention can be identified by manual methods performed by subject matter experts (SME's) 52 or individuals with domain expertise using public search engines, for example. In another aspect of the invention, once a base set of content sources has been established, an automated robot process 54 can be employed to identify potential sites on a regular basis. To improve their performance, such robot processes can be monitored and reviewed by the SME's 52 on a regular basis with

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periodic validation of the criteria driving these robots. In general, the robot process begins by returning identified site lists. Refinements can then be added by applying SME-developed context to text returned by these robot processes.

With this SME-developed context, a high-level classification of the sites returned can be developed. The granularity of robot 54 returns be fairly coarse initially, and more finely grained as identification techniques are honed. Likewise, the levels of classification of robot 54 returns can be limited, with additional levels added as identification techniques are honed. Multiple levels of robot activity can therefore be implemented in accordance with the invention.

A blanket robot can exist, for example, that combs the web simply for the word "travel," then discards duplicate hits or hits outside of <Title> or <meta> tags. Ultimately, these robot processes may evolve to several robot processes that can look for specific occurrences of the word "travel" in conjunction with other words (e.g., "health") in very specific structural elements of the document (e.g., only if both words occur in both the <title> tag and in <meta name=keywords> tag). It can be appreciated that the robot technology can also be effective for non-HTML sources, provide mechanisms for natural language queries, and can be able to route hit returns substantially automatically to specific SME's 52.

Content Acquisition/Aggregation Segment (CAAS)

- Referring now to Figure 5, in the invention a CAAS (71) defines the processes by which identified content (see CIS (51) discussion above) is acquired and classified as belonging to a specific domain, then stored in a format by which the content management system (see CMS (131) discussion hereinafter) can use.
- The CAAS (71) includes developing agents 72 to retrieve identified content from an information source 74 and implementing a scheduling mechanism 76 to initiate these

agents. In general, content acquisition schedules 76 range from completely static (e.g., a single agent initiation for the power requirements in France) to hourly (e.g., a five-day weather forecast for Paris). Notification agents 78 can also be developed and scheduled for initiation at regular intervals. These notification agents 78 can inform content acquisition personnel that a particular content source has changed in content or structure.

If a relatively simple change in content is indicated, the acquisition agent 72 can be manually initiated to bring in the latest content for a given information source 74. Integration with the Administration Segment (ADMS) (181) (discussed hereinafter) is required for this process, as an initial acquisition agent schedule 76 is sparse until the frequency at which site content changes is understood. If a notification agent 78 returns information on a content structure change, for example, content management personnel can modify the corresponding acquisition agent 72 so that the change content is correctly acquired. In addition, an environment can be created whereby SME's can create ad hoc acquisition and notification agents for alert purposes. In another aspect of the invention, the modification of acquisition agents 72 can be automated and based on the return information of notification agents 78. It can be appreciated, however, that some manual oversight is desirable in this process.

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Content Repository Segment (CRS)

In the invention, the content repository segment (CRS) 91 stores, manages, and distributes substantially all acquired travel information that is considered persistent.

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Referring now to Figures 6 and 7, the content repository can be considered a "hub" for content and data. Although the content repository 91 includes both relational and object XML data stores 92, it can be accessed and managed through a central mechanism and driven by a single engine 94. The content repository 91, as shown, can provide facilities to store, view, import, organize, modify, export, and query travel-related information. It can include one or more physical data stores

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92,96,98,100,102,104,106; the data engine 94; an integrated tool set for development; and, a centralized management facility 108.

It can be appreciated, in an alternative aspect of the invention, that the content repository 91 could support extended data types including user-defined types and extended data types of audio and video. The content repository 91 can also include portions of the application of business logic in the data model.

In one embodiment of the invention, the content repository comprises several technological components. A component environment is a dedicated content object layer. An application server 93 is provided that stores and processes data access/storage components 95. Services are enabled with Java Database Connectivity (JDBC) and open database connectivity (ODBC) drivers. An object request broker (ORB) is also employed (an object request broker) to manage objectto-object messaging and inter-ORB communications. The XML object engine 94 stores/retrieves XML objects from data stores 92,102,104 and has functionality based on schemas stored in a data map store 102. An XML parser 110 is included that checks syntactical correctness of schemas in the data map store 102 and ensures the formation integrity of incoming XML objects. An object processor 112 is included as a component to physically store XML data in the XML store 92. A query interpreter 114 resolves XML Query Language (XQL) requests and interacts with the object composer 116 to retrieve XML objects according to the schema stored in the data map store 102. The object composer 116 is provided to construct the information objects, based on storage and retrieval rules defined in the data map store 102, and return them as XML documents. There are also various utilities in this embodiment, including those that support directory and tree-oriented loading of XML objects. An external storage integration component (ESIC) (118) permits applications to access data regardless of database type or location.

The data map (meta data) store 102 serves as the content repository's 91 knowledge base. The data map store 102 contains the schemas that hold the rules according to

which XML objects are stored and composed, such as: (1) storage and indexing of XML objects within the content repository, (2) mapping of data to different data structures to enable the integration of existing data, and (3) executing user-defined application logic with a server extension function associated with an object. An SQL engine 120 manages an internal SQL store 104; executes SQL statements; and, accepts SQL statements in a number of ways: internally, from the object engine 94; from applications, which can be either embedded or through standard database interfaces such as ODBC (122), JDBC, or OLE-DB (124); and, from the content repository manager 108. The CR manager 108 provides an administration tool implemented as a graphical user interface (GUI) that runs in standard web browser. In addition, server extensions permit user-defined functions to be incorporated into the content repository 91.

Content Management Segment (CMS)

Referring now to Figure 8, in the form of the invention shown, a content management segment CMS (131) can be defined by the processes and technologies by which content is managed. Content management technologies include content and design control, contributor/user access control, site control, asset control, publication, and workflow. A universal (i.e., generic) presentation format can be developed, along with XML document schema, and content binding to page layouts can be implemented. Substantially all content, including text, graphics, styles, themes, and other assets, can be stored as objects in a high-performance relational database. For performance reasons, all content provided by the invention, as presented to a content consumer, comprises static pages in flat file systems. This content can be dynamically generated on an as-needed basis (e.g., one particular page every minute, one particular subset of pages every week, and the like).

After initial implementation, interaction with ADMS (181) and CRMS determines style and design modifications. In another aspect of the invention, implementation of ancillary services such as advertising management and syndication mechanisms

can be incorporated into the invention. It can be appreciated that content can be translated and global sites can therefore be developed in English, Spanish, German, French, Japanese and other suitable languages to which the invention can be adapted.

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Travel Information Report Segment (TIRS)

Referring now to the figures, in another embodiment of the invention, a travel intelligence report (TIR) can be generated that includes trip information necessary to make informed decisions regarding pre-travel preparation and enhancement and enjoyment of travel related activities. In one aspect of the invention, the TIR can be divided into four major sections: Pre-Trip Information, Destination Information (for one or more destinations), General Advice, and Products and Services. Within each section is a set of information categories, each of which contains several information requirements. Each of these requirements can be customized to (1) the traveler, based on his/her personal profile, (2) destination, and (3) related issues such as season of travel.

The Pre-Trip section travel categories include Alerts, Entry/Exit Requirements, and
Pre-Trip Health considerations. Alerts may include, but are not limited to,
Safety/Security, Weather, and Transportation. Entry/Exit Requirements can include
all legal, health, and custom issues that are important for entering and leaving a
particular destination. The Pre-Trip Health section can also include required and
recommended immunizations, health risk considerations, and the like.

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Typical travel categories and information requirements in the Destination section includes, but is not limited to:

- 1. Safety/Security: Social Stability, Crime, Airline, Game Parks
- Weather/Environment: Climate & Terrain, Natural Risks, Environment,
 Weather Chart & Forecast

- 3. Transportation: Air Travel, Water Transportation, Road/Overland Travel, Taxi, Mass Transit, Train Travel, Rental Cars
- 4. Money: Cash & Credit, Taxes, Cost of Living
- 5. Telecommunications: Phone/Electric, Internet, Contact Information, Mail,
- 5 Radio
 - Social Customs: Behavior, Religion, Women's Issues, Business Hours, Public Holidays & Events
 - 7. Legal: Prohibited Items, Penalties
 - 8. Language: Official Language
- 10 9. Health: immunizations, nearest hospital, health insurance, health risks

One feature of the TIR is that it can be a hyperlinked report. Consumers have the ability to expand or contract particular information requirements to see detail or concise descriptions for a given TIR, information which has come directly from the global operations center. The TIR can be printed directly from a browser, or saved in a variety of electronic formats, but it is also "alive" in the sense that a traveler can return to it online at anytime up to thirty days after the conclusion of his trip and access the latest information based on his profile. In fact, if an alert level event occurs during the life of the report it will trigger the transmission of an e-mail (or other push technology) warning from the report to the traveler. In this way the report, and the operations center behind it, become the traveler's own personal intelligence agency.

The TIR can also include a rating (such as from 1 to 5 in tenth increments, for example), which is a weighted-average of the total risk of the trip represented by the TIR as determined by criteria applied to the travel data in the TIR. This rating can be illustrated, for example, by a series of "jet" graphics printed on the TIR.

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Member Personalization Segment (MPS)

Referring to Figures 9 and 10, a member personalization segment (MPS) (151) defines the functions and processes by which the products and services of the invention are personalized to a specific consumer. In addition to personalization of product/service offerings, the MPS (151) provides a mechanism to apply targeted marketing to the travel community.

The MPS (151) includes, for example, the following information: static, stored personal information; name recognition 152; and, user-provided information 154. In one aspect of the invention, a personalization business rules engine 156 interacts with this information, along with input from business rules frameworks applied to ISS (351). It can be appreciated that the information sophistication level can increase to provide the following processes: content consumption measurement 158; adaptive content and navigation; predictive modeling 160; segmentation; and behavioral personalization.

Billing Segment (BIS)

Referring to Figure 11, a billing segment (BIS) (171) can be employed to define the billing and payment architecture for products and services provided by the invention. The BIS (171) can be associated with the TIR's and channel partners (e.g., e-Ticket TIR). Billable activity can also be captured within the distribution segment (DIS) (190) then routed to BIS (171) and CRS (91) (for updating partner detail records and consumer detail records.

In one aspect of the invention, BIS (171) includes, for example, the following functionality: rules-based messaging to tailor invoicing for specific partners; e-mail based invoice presentation, with a secure uniform resource locator (URL)-link back to the invention internet site for invoice details; a comprehensive customer-care system for issues such as dispute management; an ability to implement prearranged

payment plans; and, flexible payment processing, including payment returns and payment confirmation. It can also be appreciated that credit card payments can be accommodated by the invention.

In another aspect of the invention, a cost model for alerts can be determined based on factors such as (1) alert level, (2) number of delivery channels, and (3) type of delivery channel.

With regard to syndication of content, a cost model can be developed for the invention to accommodate granular syndication requirements. For example, one partner may choose to syndicate the entire invention content, while another partner may choose a vertical (e.g., information requirement) or horizontal (e.g., geographical) subset to such syndication. Also related to CMS (131) are the requirements associated with localization. For example, if a channel such as the internet site of the invention is localized for a foreign country, currency considerations are an important consideration.

In another embodiment of the invention, to satisfy these additional requirements, a multi-service BIS (171) considers the following: volume tiering, discounting, multi-format invoicing, billing-on-demand (including threshold, activity-based, and billing in advance), and direct debit processing. In an alternative embodiment of the invention, the billing function can be out-sourced to a service provider.

Administration Segment (ADMS)

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Referring now to Figure 12, an administration segment (ADMS) (181) defines the administration and reporting necessary to maintain a robust, active set of systems and a proactive approach to determining return on investment (ROI) on system processes. Management of the systems of the invention can take place internally such as by personnel, externally by the INFS provider, and/or externally by a management service provider 182.

Internally, structured reports are used to measure ROI of several processes, including internet site analysis (navigation, content consumption, activity paths, and the like) and content acquisition ROI. Ad hoc mechanisms 184 can be used for targeted data mining and analysis. Key elements of this internal reporting mechanism are the determination of content acquisition cost vs. content use (i.e., ROI of destination-specific products).

Externally, base operating system (OS)-level functionality can be managed by collocation INFS partner(s). This functionality includes security, redundancy, load balancing, and the like. By placing a management service provider client 186 between the invention's internet site application services 188 and the DIS (190), one can also manage process, transaction, and infrastructure issues.

In addition, a plurality of metrics can be captured and analyzed. Process metrics include end-to-end transaction response times, actual transactions: target transaction ratio, start-to-finish transaction ratios for key business processes, availability or service level agreement (SLA)-ratios of partners. Transaction metrics can include activity response times, including product (e.g., TIR's, EAS (201)) production and distribution, session ID transaction information, performance based on volume of product creation/distribution, replication updates per unit time (including product, email, etc.).

Infrastructure metrics can include web server metrics, including connection rates, connected users, data transfer rates, and number of connections, database metrics, including database transactions, file sizes, deadlocks, memory cache hit ratios, memory optimization, user logins, logout rate, and user connections; and, server metrics, including packet traffic, queue size, disk and memory utilization, and session errors.

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Event/Alert Segment (EAS)

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Referring now to Figure 13, an event/alert segment (EAS) (201) is responsible for the identification, selection, management, and distribution definition of events and alerts. The EAS (201) can support both manual and automated systems. The manual systems permit an Analyst, for example, to generate an Alert and forward it to the EAS (201) for processing. The EAS (201) can process an Alert by queuing it in priority order to a selection system operated by an Event Reporting Analyst. Alerts are reviewed to ensure that the system does not flood the distribution network with low grade or otherwise relatively insignificant Alerts. The Analyst can modify both the Alert content and attributes (duration, region of interest, level, and the like). An Alert can be sent back to one or more designated Analysts for review and comment as a high priority message. Once the Event Reporting Analyst releases an Alert, the EAS (201) determines the applicable members and establishes the distribution orders for the Alert. This information is passed to the Distribution Segment (DIS) (190) to perform transmission of the Alert to various distribution networks, such as by pager, e-mail, and other suitable communication avenues.

In another aspect of the invention, automated systems can be deployed that perform keyword spotting and category analysis to identify potential candidate content for Alert generation. Keyword spotting involves scanning incoming content for specific keywords or combination of keywords using regular expression analysis defined in a Keyword Dictionary. Examples of such keywords for Alert reporting are "hurricane", "strike", and the like. Other keywords would include specific names of countries, airlines, and the like.

Once keywords are identified, Category Analysis is used to determine who should review the content. For example, a message with "France", "United" and "strike" could be automatically routed to the European Desk Analyst and the Transportation Domain Expert as "high priority" content for review.

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The method and system of the invention addresses the need to provide multiple Event Reporting Analysts as a role. This role can be passed from shift to shift, and there can be multiple Event Reporting Analysts operating concurrently. If there are multiple Event Reporting Analysts operating, the system can maintain a single, global work queue but resist multiple Event Reporting Analysts from working the same Alert simultaneously.

An important aspect of this embodiment of the invention is the ability to identify, review and select events for Alert reporting. Alerts can have, for example, three (3) levels of significance. A Level 1 - High Priority/Critical Alert could be considered one that can directly impact the health, safety, or schedule of the traveler. Examples of Level 1 Alerts could include weather alerts, flight delays and cancellations, actual strike actions, and the like. A Level 2 - Medium Priority/Warning Alert relates to information that may have an impact on the health, safety or schedule of the traveler. Examples of Level 2 Alerts include imminent weather conditions, strike advisories, social unrest, airport facility issues, and the like. A Level 3 - Low Priority/Informational Alert is related to information that the traveler should be aware of about his/her trip. Examples of Level 3 Alerts can include major events being held at a given destination, financial situations such as money valuation issues, visits of a major head of state, and the like.

In another aspect of the invention, the EAS (201) technology is a subset of ISS (351) technology (discussed hereinafter).

25 **E-commerce Segment (ECS)**

Referring now to the figures, an e-commerce segment (ECS) of the invention provides the consumer with the opportunity to purchase travel associated products, that can be appropriately matched with the consumer's travel itinerary and profile. The ECS can be implemented as conventional hyperlinks at the end of a TIR: these

links can be generic and/or targeted to the consumer based on predetermined criteria

(e.g., season, destination country). These links are preferably only linked to the source provider for the product.

In another aspect of the invention, targeted contextual e-commerce can also be implemented on the TIR. This contextual e-commerce can be member profile-specific and combined with trip specifics to recommend particular products to the consumer. The consumer can then be linked and transacted through specific channels of the internet site for the invention. It can be appreciated that, instead of dedicated e-commerce platforms being incorporated to implement this type of e-commerce, content agents from CAAS (71) can be used, along with the BIS (171), to achieve this level of e-commerce. This contextual e-commerce can be combined with the internet site of the invention, such as on the personalized "My" internet site section. In addition, the internet site of the invention can employ order fulfillment as a function and service for the consumer.

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Customer Relationship Management Segment (CRMS)

A customer relationship management segment (CRMS) (221) of the invention relates to interaction among consumers, site users, and internet site customer service. The CRMS (221) provides a forum in which site users can correspond with a central point of contact (POC) for providing comments and suggestions on products and services provided by the internet site. This feedback can be provided by conventional e-mail links and toll-free telephone numbers, for example.

The CRMS (221) is a virtual contact center, with workflow, routing, queuing, automated e-mail return, single-click email response, and the like. Incoming requests can be automatically comprehended and classified using message content. A response can be automatically composed with an appropriate reply and data can be retrieved to complete and personalize the response. Responses can then be either automatically sent or routed to a review agent or agents who can then send them to the consumer after examination.

In another aspect of the invention, a web-based self-service solution can be implemented that recreates the experience of working with an expert customer service representative.

In addition, an online community can be established by developing discussion

forums and a comprehensive knowledge base. In connection with this knowledge
base development is a process whereby content suggestions are automatically routed
to SME's for analysis and inclusion in the content store.

In another aspect of the invention, CRMS can also include targeted feedback

campaigns and e-mail solicitations. The CRMS can be integrated with the ADMS

(181) (for metrics relating to customer activity, retention, and referrals), the MPS

(151) (to provide customer-provided input and behaviors for personalization), the

MOIS (261) (for establishing additional marketing opportunities), the BIS (171) (for

billing customer care), and the PRMS (241) (to share technologies and processes).

Live person type support can also be out-sourced after a predetermined number of inquiries are noted.

Partner Relationship Management Segment (PRMS)

Referring now to Figure 16, in the invention, a partner relationship management segment (PRMS) (241) can encompass both partner lifecycle management and extended enterprise selling. The PRMS (241) can be centered on CHAMPS (Channel and Alliance Management Process) 242 and can concentrate on two areas. Initially, partner lifecycle management can be implemented. This can include partner profiling, partner recruitment, and partner performance monitoring. Integration with MOIS (261) and ADMS (181) is important to implementing this segment.

Enterprise selling can also be addressed. This can include lead assignment, lead distribution and tracking, pricing/quoting, and literature fulfillment. Integration with BIS (171), MOIS (261), and ADMS (181) can be required, as billing customer care

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and consistent forecasting and reporting can be used:

- Lead Assignment Assigning qualified leads to the right partners at the right time is an important task. Managers can graphically enter business rules for building "decision trees" that decide which partner is assigned each lead. Rule options can include, for example, named accounts, score and qualification-based assignment, and checking to see if a partner is working on another lead in the same account. Multiple lead decision trees for different business models can be supported, as well as optional manual assignment, and lead posting to a pool of partners.
- Partner Profiling Information contained in the partner profile database can enable distributed management of users, customized content, push delivery, and online partner recruitment. This database can store profiles for both individual partners and partner organizations. An organizational profile can include information such as industry focus, location, organizational structure, product authorized to sell and accounts serviced. Individual profiles cover, for example, contact information, certification level, and previous performance.
- Channel Partner Recruitment A challenge for channel managers is
 the need to recruit qualified channel partners. Channel partner recruitment provides
 a set of tools to facilitate this recruitment process. Channel managers are able to
 modify their partner qualification criteria according to the existing partner profiles
 as well as the current organization needs. Potential partners can be tracked through
 the recruitment process and analysis can be conducted to determine the optimal way
 to attract the maximum number of qualifying partners.
- Channel Communication Channel communication can be based on two libraries: a distribution list library and a campaign template library. The
 distribution lists can be created from the partner database and are able to be filtered by type of partner, level of partner, or other criteria. Lists can be saved (either as a

description or as a list of actual partners) and used for future campaigns. The campaign library can allow the marketing user to create new items, such as product announcements or event reminders, based on standard designs. Once the literature is created, the system can then distribute the item to the desired distribution list.

Recipients' profiles can be automatically updated to note the information received, and the system monitors and reports on responses.

In an alternative embodiment of the invention, PRMS (241) activity can be coordinated with suitable marketing or sales out-sourcing partners.

Distribution Segment (DIS)

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Referring now to the figures, the distribution segment (DIS) (190) is responsible for taking a distribution order and executing it. A Distribution Order can include the item to distribute (i.e., Alert, TIR, etc.) and where to distribute it (i.e., list of e-mail addresses, pager numbers, etc.). The DIS (190) can parse the distribution order and forward it in portions to various distribution systems. These distribution systems can include e-mail, pager, facsimile, wireless, and the like.

- The DIS (190) provides advantages with regard to error handling. If a transmission fails, for example, the invention provides a way to link this information back to the consumer's profile with an explanation of why there was an error. For example, status = XMIT ERROR, "invalid e-mail address: paul@ijet.com".
- In another aspect of the invention, the DIS (190) can include an interactive voice response (IVR) capability. Using an IVR System, for example, a member can dial a telephone number (800, 900 or direct) and enter his/her member number and personal ID number (PIN) security code to gain access to his/her account. Using the IVR System and a series of selection options, the member can retrieve Alerts,

 TIR updates, etc. For example, "Press 1 for Alerts", "Press 2 for a TIR Update",

 "Press 3 for Options", "Press 4 for a Person", etc. If the member presses "1", the

Marketing Opportunity Identification Segment (MOIS)

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Referring now to Figure 18, a marketing opportunity identification segment (MOIS) (261) of the invention shares the technology base of the CIS (51) and conducts the initial and ongoing identification of sites that present marketing and partner opportunities. In one embodiment, once a base set of marketing opportunities has been established, an automated robot process can identify additional potential opportunities on a periodic basis. The robot process can be monitored and reviewed by marketing personnel on a periodic basis, and the criteria which drives these robots can be periodically validated.

20 This robot process can return identified opportunity lists. Refinements can be added by applying marketing-developed context to returned text. With this marketing-developed context, a high-level classification of the sites returned can be developed. The granularity of robot returns can be fairly coarse initially, and more finely grained as identification techniques are honed. Likewise, the levels of classification of robot returns can be fairly limited or have additional levels added.

In another aspect of the invention, multiple levels of robot activity can be implemented. A blanket robot can be employed, for example, that searches the internet for the word "travel," then discards duplicate hits or hits outside of <Title> or <meta> tags on internet sites that are searched. Another robot process can be utilized that looks for specific occurrences of the word "travel" in

conjunction with other words (e.g., "booking") in specific structural elements of a searched site (e.g., only if both words occur in both the <title> tag and in < meta name=keywords> tag). Such robot processes can also be applied to non-HTML sources, can provide mechanisms for natural language queries, and can automatically route hit returns to marketing personnel or out-sourced marketing/sales organizations affiliated with the internet site of the invention.

In an another embodiment, MOIS (261) information can be funneled to out-sourced sales and marketing resources and/or the PRMS (241).

Yellow Book Online Segment (YBOS)

Referring now to Figure 19, in another aspect of the invention, the yellow book online (YBO) (281) can be provided as a segment including an electronic version of the CDC's Health Information for International Travelers. The YBO (281) can be a verbatim translation of the print version, with a full-text search and retrieval mechanism. In another embodiment, the YBO content can be syndicated to other internet sites via the use of a direct search link to the YBO (281) on the internet site or through a content window displayed directly from the internet site.

In another aspect of the invention, further employment of the YBO (281) can include enhanced input conditions for a search (e.g., full-text search only on a specific country) and enhanced output (e.g., optional summaries of page "hits"). The Yellow Book Online will provide the core health information for the system.

Web Segment (WEBS)

Referring now to Figure 20, a web segment (WEBS) (301) of the invention as shown represents the situation where the internet site is a distribution channel for its content, products and services.

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Technology Infrastructure Segment (INFS)

Referring now to Figure 21, in another aspect of the invention, an infrastructure segment (INFS) (321) is provided that includes an operations center and a staging center along with a collocated site in, for example, the United States, Europe, Africa and other suitable international locations. In this embodiment, the primary information activity occurs at an internet site headquarters 322 with an operations center 324. This information activity can then be staged to a staging center 326, and then replicated to one or more of the collocated sites 328,330,332.

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In another aspect of the invention, an archive center 334 can be created at the internet site headquarters. This archive center 334 can store all travel information activity, including historical, administrative, and metric data. This archive center 334 can also be integrated with the ISS (351) so that business information mining and new product creation can be supported.

It can be appreciated that these collocation services can be top-tier, including caching network operations and RAIS (redundant array of independent systems) in a load-balanced environment. Services can include, but are not limited to, the following:

- Bandwidth Services
- Multi-line local area network (LAN) Connection
- Reporting Services
- Proactive, Multi-Channel Notification
 - Bandwidth Reports
 - Network Caching
 - Managed Monitoring Services
 - Network Monitoring
 - URL Monitoring
 - Reboot Service

- Multi-path Services
- Data Vault Services
- Security Services

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- Intrusion Detection
- Vulnerability Analysis
- Managed Firewall

Information System Segment (ISS)

In one embodiment of the invention, an information system segment (ISS) (351) has three functional subsystems: Collection, Analysis, and Distribution/Storage.

In the invention, the Collection subsystem centers on an analyst or SME who has domain or geographic expertise. Standard content feeds for his/her domain are substantially continuously being examined, as is existing content in the CRS (91). In addition, more focused content is captured by ad hoc queries through both the CIS (51) and the CAAS (71). These queries can be run through a machine translator prior to content acquisition if specialized, foreign language content resources are presented as information sources. In addition, based on return set content, machine translators can also be used prior to CRS (91) storage.

Analysts/SME's can also use an RSS Aggregation Module. This module can allow each analyst/SME to develop his/her own, personalized set of headline content that can be scanned on a regular basis.

The CRS (91), outside of its standard data structure, has pre-applied templates that ensure the validity of information returned in analyst/SME queries. These templates are in the form of rules frameworks that are defined by partners such as a Health Information Board (HIB). The Collection subsystem relies on the interfaces between CRMS, PRMS (241), and MPS: Partner and Member activity history and itinerary information can contribute greatly as a background to information activity. Also key to the Collection subsystem is a collaboration network that the

analyst/SME participates in with other analysts/SME's. Using the collaboration network, queries and return sets can be analyzed by more than one analyst/SME to ensure validity.

In the invention, the Analysis subsystem operates with a marshaled query on information returned by the Collection subsystem. Such queries can be done, for example, by using meta data searches, with On-Line Analytical Processing (OLAP) tools, or using conventional pattern recognition technologies. Return sets from these initial analysis queries are filtered through two pipes: a filter pipe and an index pipe. The filter pipe applies semantics to incoming signals based on meta data associated with them. If this approach is unsuccessful, semantic application can be attempted based on content. Feature extraction can next be performed to ensure that any semantic application considers multi-semantic issues. The index pipe attempts to index incoming signals based on keywords, thematics, and hierarchical clustering.

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At least two key elements are associated with the filter and index pipes. The first is operational qualification agents. These agents capture specific, pre-determined linguistic patterns and can be event-based or schedule-based. Once an operational qualification agent captures a signal, the signal is classified and moves on through the system without proceeding through additional filtering and indexing.

Both the filter and index pipes are dynamic mechanisms, which are not only modified manually, but "learn" through the application of an analysis engine. This analysis engine is a network of adaptive fuzzy feature modules (AFFN's) that collectively comprise an adaptive temporal correlation network (ATCN). AFFN's and ATCN's provide managed artificial information and capture patterns and correlations between linguistic elements that are either too time-intensive for humans to capture or practically impossible without computational assistance.

Once a signal has morphed into an information block (i.e., it has some classification associated with it), the block itself can be considered information or, in the case of

misclassification, remain information without attached semantics. At this point, the analyst/SME either validates the information or adds semantics to the information. This can be done through using the information block as input to additional mechanisms in the Collection subsystem, or using the collaboration network and additional analysts/SME's to reach a consensus.

In the invention, aggregated information is classified again as supplemental content or as an alert. If it is classified as supplemental content, the aggregated information is forwarded to the CMS (131), where the content manager filters it through an editorial process. At this point, the supplemental content can be discarded, accepted as is and sent to the CRS (91), or sent back to the analyst/SME for additional analysis. If the aggregated information is classified as an alert, it is sent to an alert framework, along with its meta data. Additional meta data is assigned (e.g., data/time, GIST, alert type) and then concomitantly sent to CRS (91) and distribution list development.

In summary, the method and system of the present invention offer a travel information functional architecture that defines and supports gathering, analysis, storage, and personalized product/service delivery of accurate, comprehensive, and personalized travel information. The method and system of the invention provide a breadth and richness of information sources and acquisition, sophistication of external oversight, advisement, and business rule development processes applied to travel information development, diversity of product and delivery mechanisms, and a comprehensive application of supporting business and technology architecture.

The result is an online intelligence agency that both feeds into and is driven by the global airline reservation system.

The following example is intended to be an illustration of certain embodiments of the invention and is not intended to limit the scope of the invention:

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An Example of the Travel Information System

The travel information system operates in three distinct phases.

In phase one, information is collected from online sources and analyzed by regional analysts. These analysts screen the information, iron out discrepancies, edit and format the information, and send it to the data store.

In phase two, a traveler enters the system through one of many distribution points in the travel industry. An example would be a traveler who decides to purchase a Travel Intelligence Report (TIR) while purchasing an airline ticket from a travel web site. After purchasing the ticket, the traveler is presented with an online profile form, which is already populated with the traveler's client record and e-ticket information, forming the core profile; he can either accept this profile with a single click, or supplement it with more information. In either case this profile form is transmitted online to the internet site, where it triggers the application of appropriate rules, and the retrieval of pertinent content from the data store.

In the third phase, this content is then assembled into a TIR and delivered to the traveler. The traveler can then print and/or download the TIR. At any point up to 30 days after his return the traveler can also pull up the report online and view the latest version. If any significant changes occur to the underlying information, the report e-mails the traveler. In addition, if the traveler has purchased a separate wireless alert product, the traveler can be notified on his wireless platform.

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Whereas particular embodiments of this invention have been described above for purposes of illustration, it can be evident to those skilled in the art that numerous variations of the details of the present invention may be made without departing from the invention as defined in the appended claims.

WHAT IS CLAIMED IS:

1. A method for providing travel-related information to a consumer having a consumer-specific profile, comprising:

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- a. acquiring information from at least one information source;
- b. transforming said acquired information into information pertinent to travel related activities;
- c. using rules for applying said transformed travel information to said consumer-specific travel profile; and,
 - d. creating a product for said consumer indicative of the results of said application of said transformed travel information to said consumer-specific travel profile.
- 15 2. The method of Claim 1, wherein said acquiring step includes partnering with an external internet site for providing said at least one information source.
 - 3. The method of Claim 1, wherein said transforming step further includes a step selected from the group consisting of processing acquired data through a health information board, performing an advisement function, and developing business rules.
 - 4. The method of Claim 1, wherein said transforming step includes applying medical information and epidemiology findings from clinic networks to provide at least a portion of said transformed travel information.

- 5. The method of Claim 1, wherein said creating step includes creating a travel report for said consumer.
- 6. The method of Claim 1, further including identifying alert information related to a travel destination of said consumer.
 - 7. The method of Claim 6, further including distributing said alert information to said consumer. 8. The method of Claim 5, wherein if alert information occurs and is included in said report, further including distributing said alert information in said report to said consumer.
 - 9. The method of Claim 1, further including delivering a product to said consumer indicative of said transformed travel data.
- 15 10. The method of Claim 8, wherein said delivering step is performed using a distribution channel selected from the group consisting of the internet, wireless communication media, and physical delivery locations.
- 11. A computer system for providing travel related information to a consumer 20 having a consumer-specific profile, comprising:
 - a. means for acquiring information from at least one information source;
 - b. means for transforming said acquired information into information pertinent to travel related activities;
- c. means for applying said transformed travel information to said consumer-specific travel profile; and,
 - d. means for creating a product for said consumer indicative of the results of said application of said transformed travel information to said consumer-specific travel profile.

- 12. The system of Claim 11, further including a content identification segment (CIS) for performing identification of potential said information sources.
- 13. The system of Claim 11, further including a content acquisition/aggregation
 5 segment for acquiring and identifying the content of said acquired information with regard to a specific domain of said acquired information.
 - 14. The system of Claim 11, further including a rules engine for applying rules to the said traveler profile.
 - 15. The system of Claim 11, further including a travel information report segment for generating a report indicative of said results of said application of said transformed travel information to said consumer-specific travel profile.
- 16. The system of Claim 15, wherein said travel information report comprises a pre-Trip information section, a destination information section, a general advice section, and a products/services section.
- 17. The system of Claim 16, where each of said sections contains travel
 20 information customized for said consumer including data selected from the group consisting of said consumer's personal profile, a destination, and a season of travel.
 - 18. The system of Claim 15, wherein said report is generated in at least one electronic format.
 - 19. The system of Claim 15, wherein said report includes a trip rating indicative of the risk of the trip represented by said travel related information.
- The system of Claim 15, further including an event/alert segment for
 managing the receipt of at least one event corresponding to the definition of at least one alert to said consumer.

- 21. The system of Claim 20, further including distributing said defined alert.
- 22. The system of Claim 20, further including means for applying keyword analysis to said event/alert segment for analyzing said received event.
 - 23. An information system segment structured for use in a system for providing travel related information to a consumer having a consumer-specific profile, comprising:

- a. a collection subsystem for obtaining information from at least one data source:
- b. an analysis subsystem for filtering said obtained information to identify travel characteristics of said obtained information; and,
- 15 c. a distribution/storage subsystem for directing said filtered data to at least one portion of said system for providing travel related information.
 - 24. The segment of Claim 23, wherein said collection subsystem includes means for applying queries to obtain said information.

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- 25. The segment of Claim 23, wherein said analysis subsystem includes a filter pipe and an index pipe.
- The segment of Claim 23, wherein said distribution/storage subsystem
 further includes a component for classifying said filtered data as supplemental content or as an alert.
 - 27. A computer-readable medium containing instructions for controlling a computer system to provide travel-related information to a consumer having a consumer-specific profile, comprising:

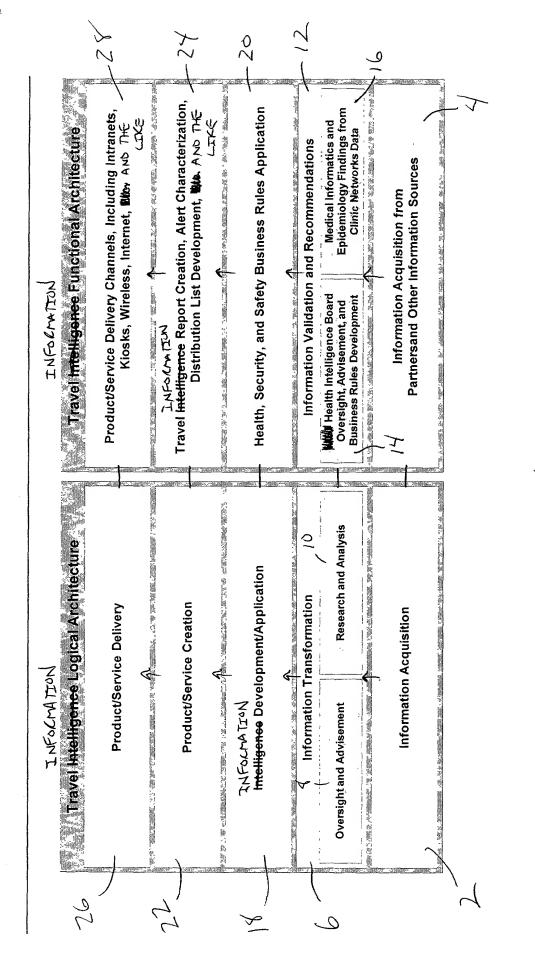
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- a. acquiring information from at least one information source;
- b. transforming said acquired information into information pertinent to travel related activities;
- c. using rules for applying said transformed travel information to said
 consumer-specific travel profile; and,
 - d. creating a product for said consumer indicative of the results of said application of said transformed travel information to said consumer-specific travel profile.
- 10 28. The medium of Claim 27, wherein said creating step includes creating a travel report for said consumer.
 - 29. The medium of Claim 27, further including identifying alert information related to a travel destination of said consumer.
 - 30. The medium of Claim 29, further including distributing said alert information to said consumer.
- 31. The medium of Claim 27, further including delivering a product to said consumer indicative of said transformed travel data.
 - 32. The medium of Claim 31, wherein said delivering step is performed using a distribution channel selected from the group consisting of the internet, wireless communication media, and physical delivery locations.

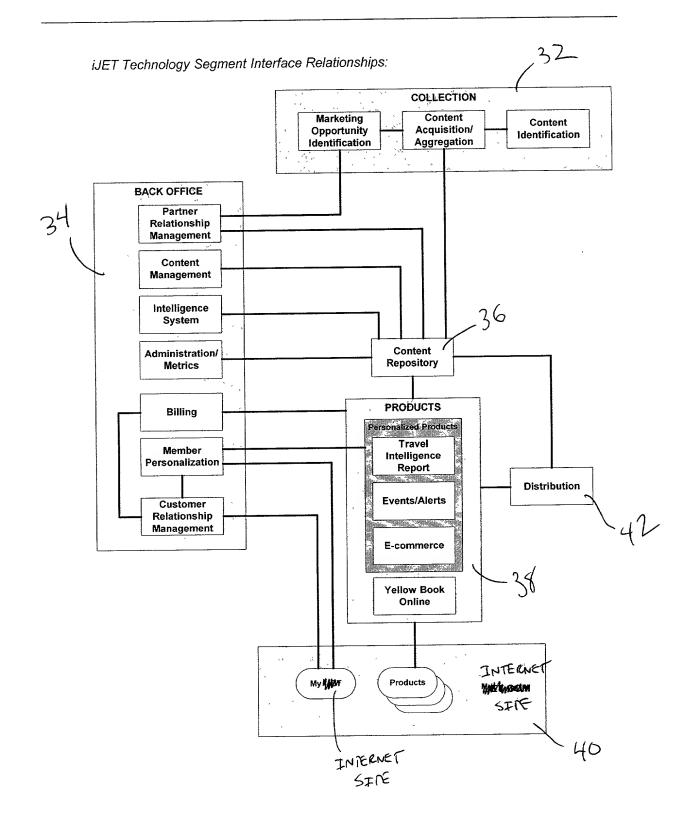
ABSTRACT

A method and system for providing travel information to a consumer are disclosed. The method includes acquiring information from at least one information source,

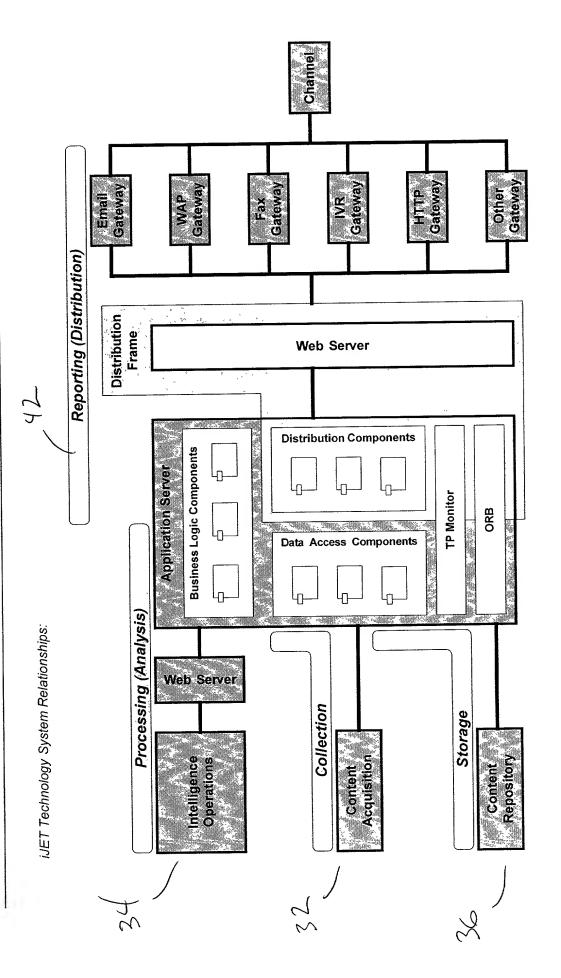
- which may be a variety of sources such as external or consumer-driven sources; characterizing the acquired information by its pertinence to travel; transforming the characterized travel information into a useable format; applying rules to this transformed travel information in connection with the consumer-specific travel profile; and, delivering a report to the consumer of the results of this application.
- The associated system performs these functions, among others, to provide information for a traveler planning a trip to a particular destination or destinations.



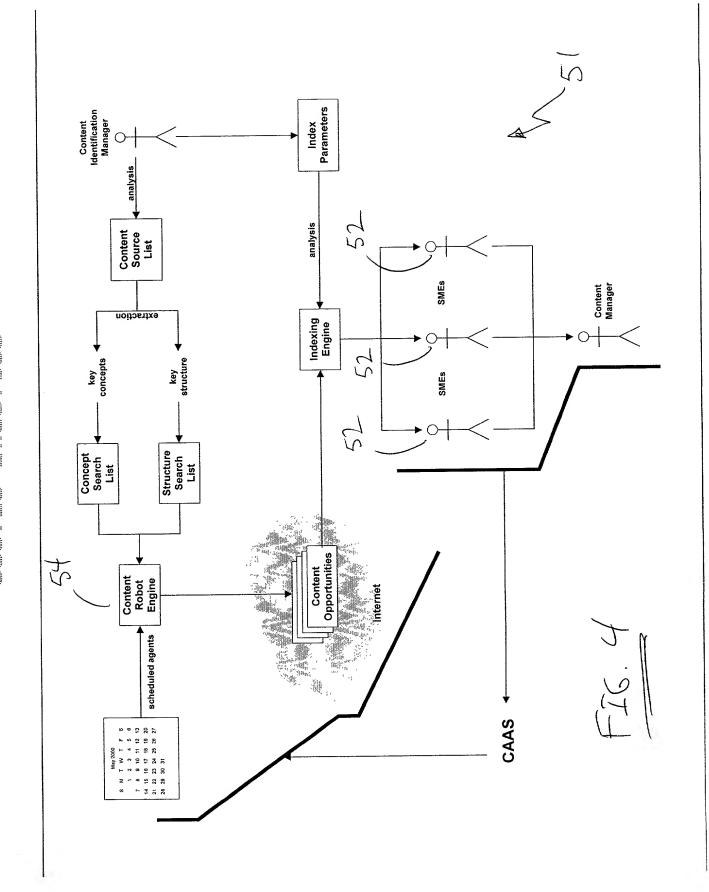
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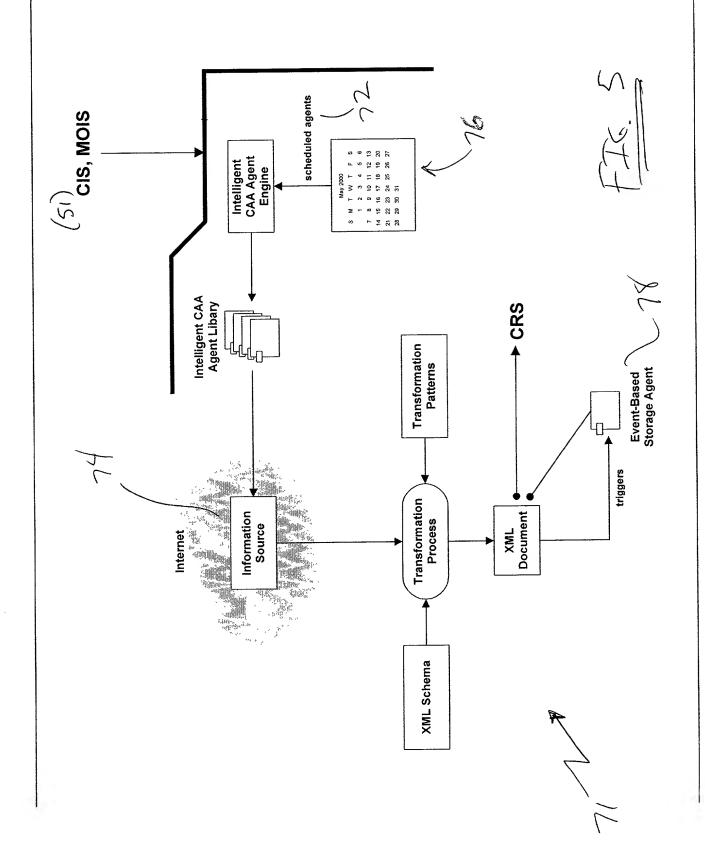


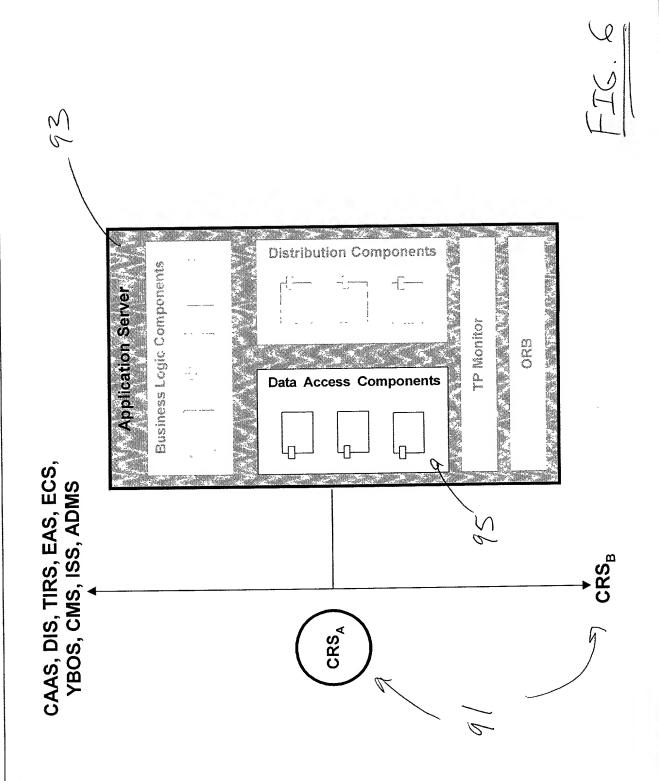
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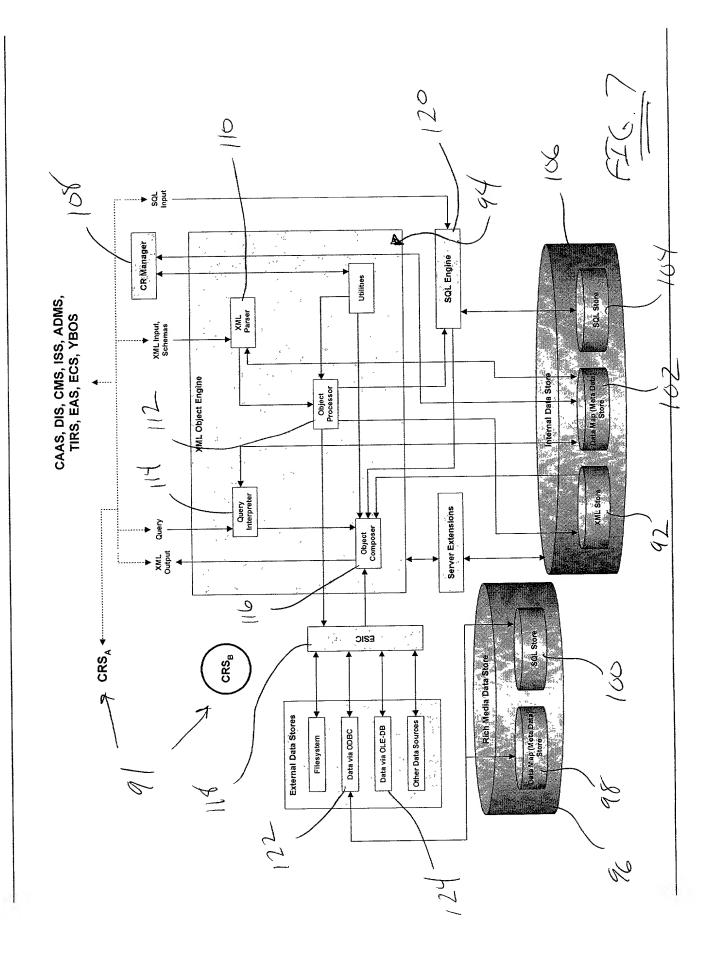


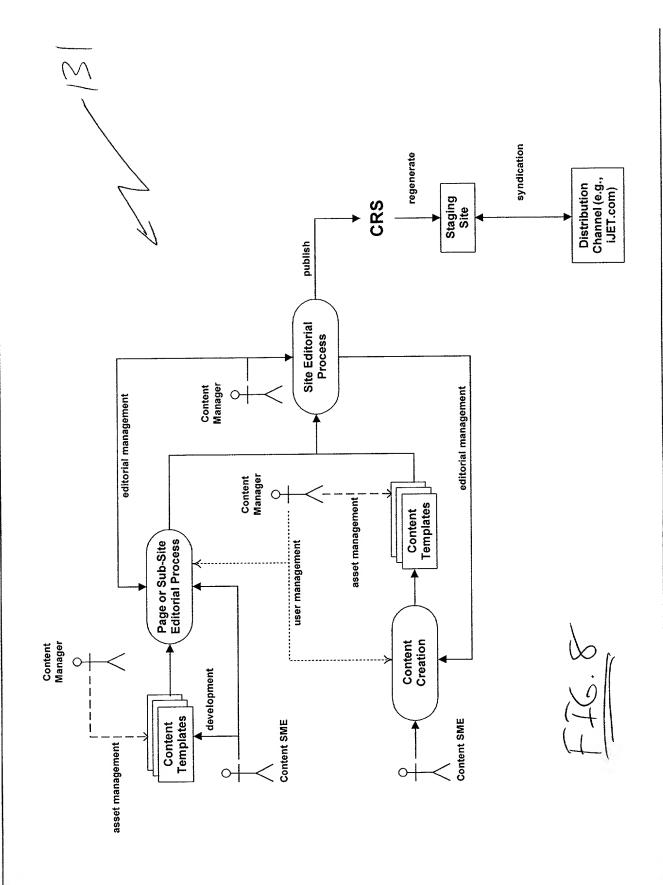
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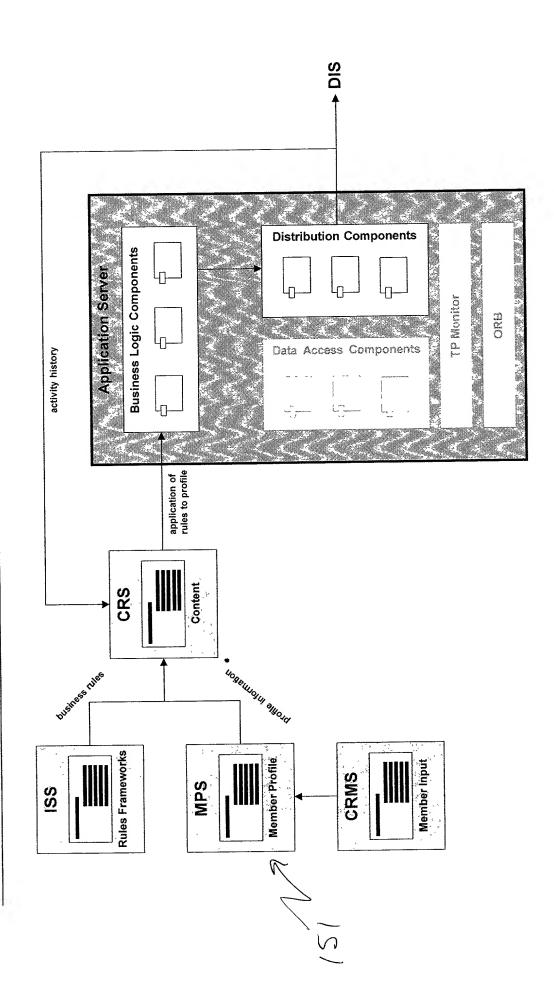




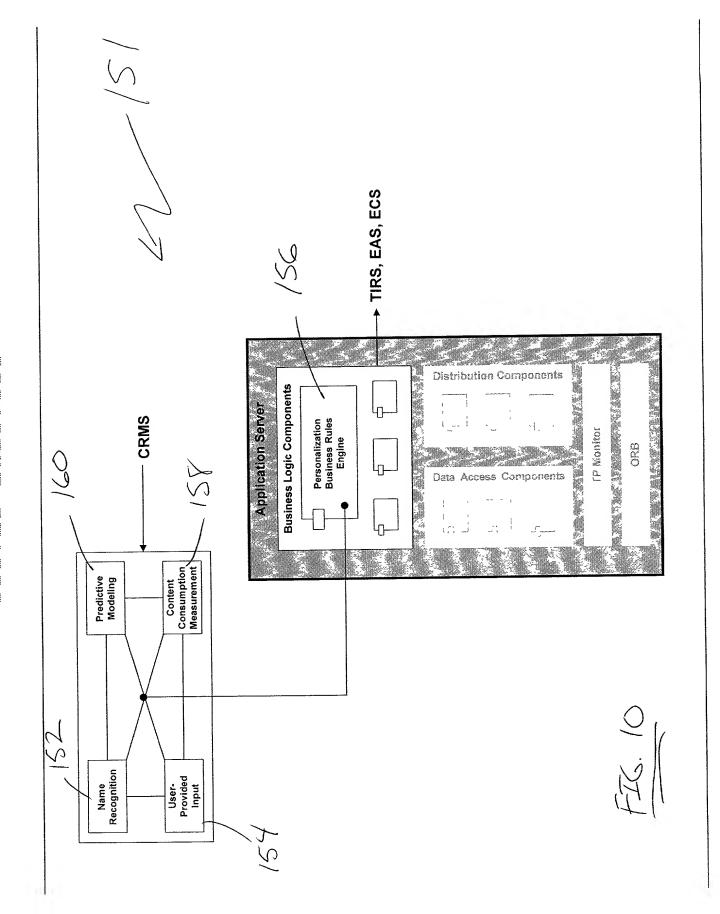


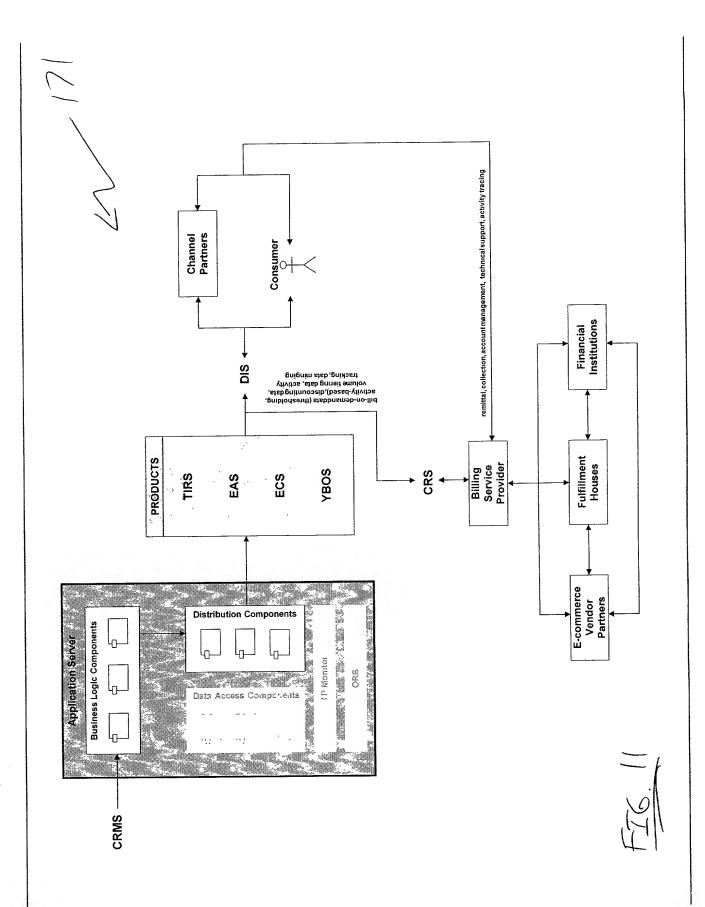




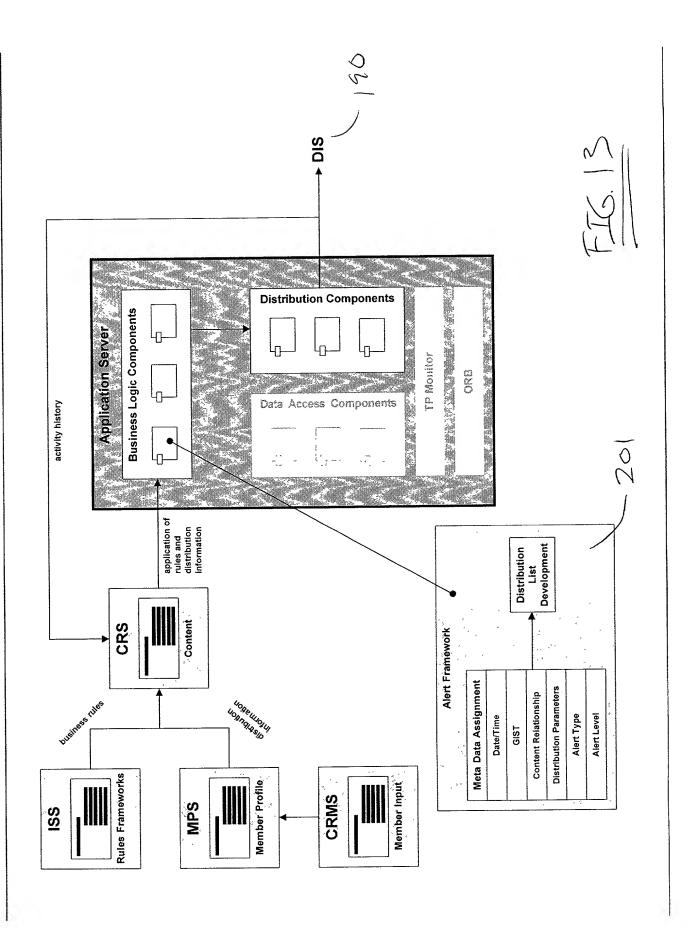


F46. 9





ਜ਼ਵਾਮ ਜ਼ਵਾਮ ਜ਼ਵਾ ਸਮੂਹਾ ਜਵਾਸ਼ਗ ਜਾਂ ਜ਼ਵਾਮ ਜ਼ਿਲ੍ਹਾ ਦਾ ਅਧਾਰ ਜਵਾ ਅਸ਼ੂਬ ਜ਼ੁਬਾ ਜ਼ਵਾਮ ਜ਼ਿਲ੍ਹਾ ਮੈਨਵੀਂ ਪ੍ਰੋਜਵੀਂ ਜ਼ਿਲ੍ਹਾ ਵਿੱਚ ਬੋਰਵੀਂ ਜ਼ਲੀ ਤੋਂ ਬੋੜੇ ਬੋਲਲ ਪਿਲ੍ਹੀ ਮੁੱਝ ਜ਼ਰੀ ਜ਼ਿਲ੍ਹੀ ਜ਼ਿਲ੍ਹੀ



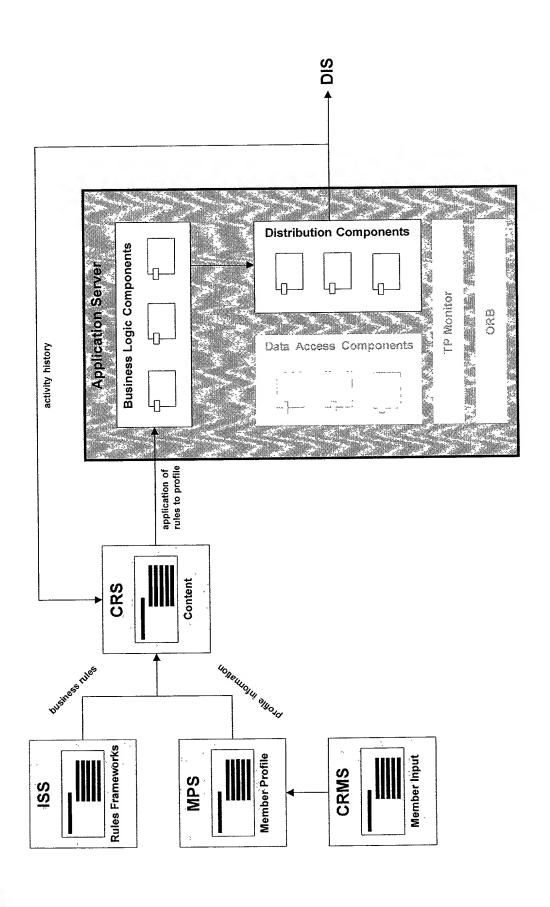
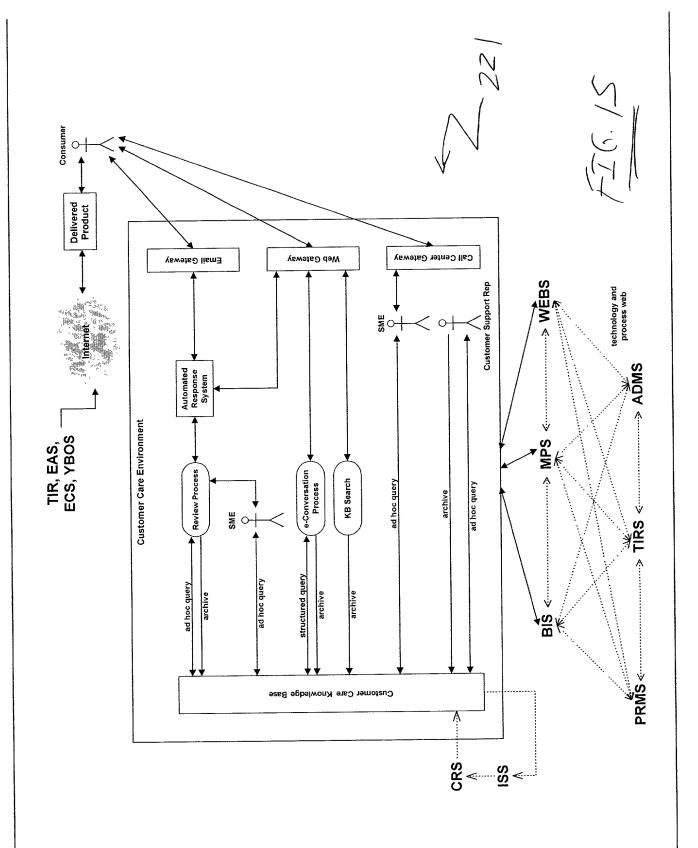
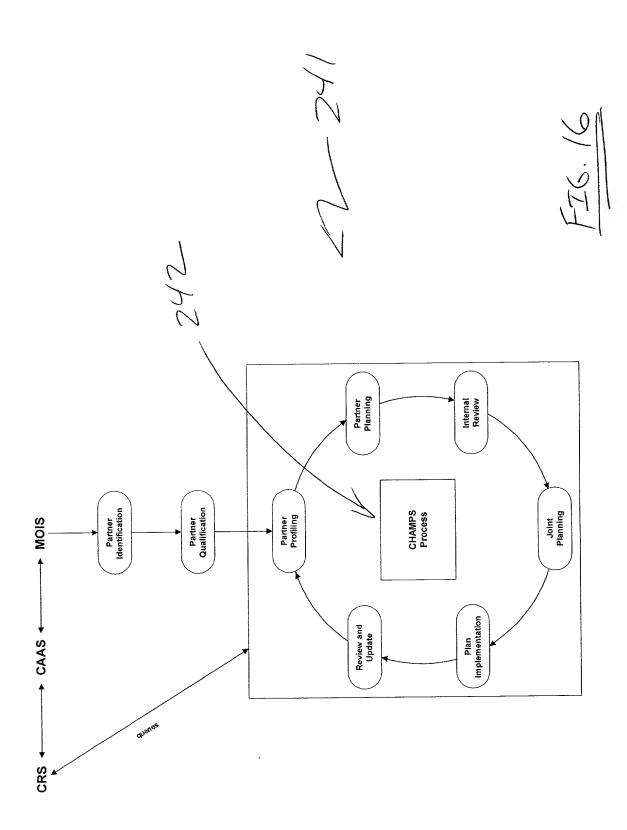
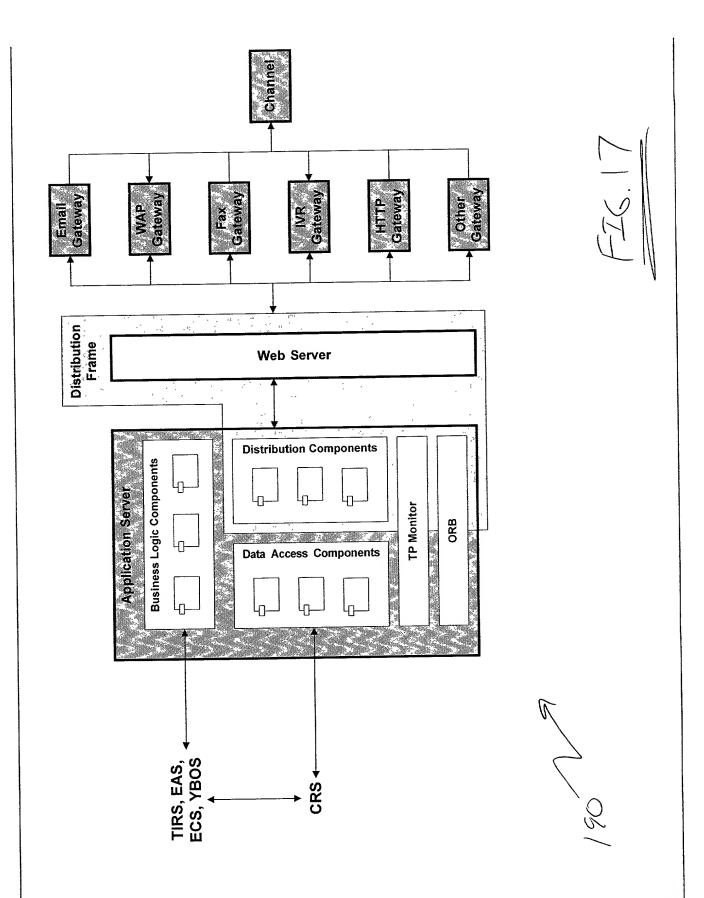
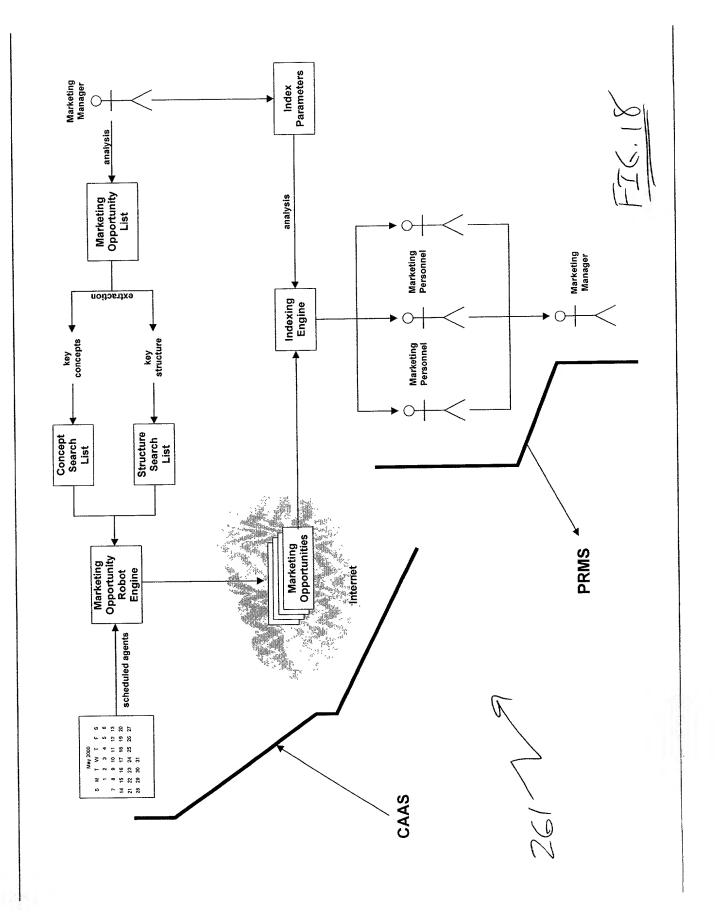


FIG. 14









Yellow Book Online Segment (YBOS)

The Yellow Book Online (YBD) will be an electronic version of the CDC's Health Information for International Travelers. Initially, the YBO will be a verbatim translation of the print version, with a full-text search and retrieval mechanisms. The YBO content/will be syndigated to other sites/via the use of a direct search link the YBO of iJET.com or through a content window displayed directly from JET com.

Later incarnations of the YBO will include enhanced input conditions for search (e.g., full-text search only oh a specific country) and enhanced output (e.g., optional summaries of page "hits")/

Ultimately, iJET will evolve the YBO into a more comprehensive resource than the print Yellow Book To/this end, a workflow process will need to be developed between iJET and the CDC to ensure that iJET content/commentary/enhancements are fully approved by the CDC.

